

(54) Title of the invention : A SYSTEM AND A METHOD FOR DETECTING A FACE MASK ON INDIVIDUALS IN REAL-TIME

<p>(51) International classification :A61M 160600, C09D 750400, E21D 231200, G06T 071550, G07C 090000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Bluest Mettle Solutions Private Limited Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)MISHRA, Saket Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>2)SINGH, Dhiraj Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p>3)GILL, Rupali Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

A system (100) and a method (200) for detecting a face mask on individuals in real-time using computer vision and machine learning techniques is provided .The system (100) includes one or more sensors (102) for recording video or photos of individuals in a given environment, an image processing module (106) for analyzing the recorded video or photos to detect the presence or absence of a face mask on each individual. The system (100) provides accurate detection of the face mask in various mask types and configurations, lighting conditions, and background environments. The system (100) offers several advantages, including automated and real-time detection, high accuracy rates, adaptability to different mask types and configurations, real-time notifications and response options, privacy and scalability, and integration with other systems and technologies. The system (100) is suitable for deployment in various environments, including airports, hospitals, schools, and public transportation systems.

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